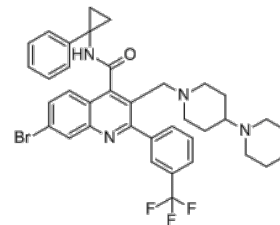


**Product Name** : GSK-2193874  
**Cat. No.** : PC-60294  
**CAS No.** : 1336960-13-4  
**Molecular Formula** : C<sub>37</sub>H<sub>38</sub>BrF<sub>3</sub>N<sub>4</sub>O  
**Molecular Weight** : 691.62  
**Target** : TRP Channel  
**Solubility** : 10 mM in DMSO



## Biological Activity

GSK-2193874 (GSK2193874) is an orally active, potent, and selective blocker of **TRPV4 channel** with IC<sub>50</sub> of 40 nM and 2 nM for hTRPV4 and rTRPV4, respectively.

GSK-2193874 shows high selectivity against TRPV1, TRPA1, TRPC3, TRPC6, TRPM8 (IC<sub>50</sub>>25 μM).

GSK-2193874 is the first-in-class orally bioavailable TRPV4 inhibitor which demonstrates ability to improve pulmonary functions in a number of heart failure models.

## References

Cheung M, et al. *ACS Med Chem Lett.* 2017 Mar 20;8(5):549-554.

Buday T, et al. *Respir Physiol Neurobiol.* 2017 Feb;236:1-4.

Thorneloe KS, et al. *Sci Transl Med.* 2012 Nov 7;4(159):159ra148.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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